

## Zoology Lesson Plan

Paper-II Aquaculture and Pest Management-II

Name of Assistant Professor: Dr. Geeta Bhusan

Class and Section: B.Sc. III<sup>rd</sup> Year II Sem; and  
Medical Section

Subject Lesson Plan: 18 Weeks (From Jan 2018 To  
April 2018)

### Week 1

Day 1, Monday, 01/01/2018

Aquaculture: Seed Production → Its Assessment,  
Collection - (Part I)

Day 2, Tuesday, 02/01/2018

Seed Production → Its Assessment, Collection - (Part II)

Day 3, Wednesday

Hatchery Production

### Week 2

Day 1, Monday, 08/01/2018

Nutrition: Sources of food (Natural)

Day 2, Tuesday, 09/01/2018

Sources of food (Artificial)

Day 3, Wednesday, 10/01/2018

Feed Compositions (Calorie and Chemical Ingredients)

### Week 3

Day 1, Monday, 15/01/2018

Field Culture: Pond Culture (Part-1)

Day 2, Tuesday; 16/01/2018

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Field Culture : Pond Culture (Part-II)

Day 3, Wednesday, 17/01/2018

Running Water Culture

Week 4

Day 1, ~~Mon~~ Monday, 22/01/2018

Recycled Water Culture

Day 2, Tuesday, 23/01/2018

Cage Culture

Day 3, Wednesday, 24/01/2018 Holiday → Sri Chhotu Ram Jayanti

Week 5

Day 1, Monday, 29/01/2018

Poly Culture - Part 1

Day 2, Tuesday, 30/01/2018

Polyculture - Part 2

Day 3, Wednesday, 31/01/2018 Holiday → Gaura Rasoda Jayanti

Feb. 2018

Week 6

Day 1, Monday, 05/02/2018

Culture Technology : Introduction To Bio-Technology

Day 2, Tuesday, 06/02/2018

Primary Cell Culture

Day 3, Wednesday, 07/02/2018

Cloning Technique

Week 7

Day 1, Monday, 12/02/2018

Tissue Culture

Day 2, Tuesday, 13/02/2018 Holiday → Maha Shivratri

Day 3, Wednesday, 14/02/2018

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### In Vitro Fertilization (IVF)

#### Week 8

Day 1, Monday, 19/02/2018

Embryo Transfer (E.T)

Day 2, Tuesday, 20/02/2018

Cryopreservation of Gametes

Day 3, Wednesday, 21/02/2018

Monoxen Culture and Sex Reversal.

#### Week 9

Day 1, Monday, 26/02/2018

Transfection Methods

Day 2, Tuesday, 27/02/2018

Transgenic Animals

Day 3, Wednesday, 28/02/2018 *K.V.K. Vacation*

#### March 2018

#### Week 10

*K.V.K. Vacation -> 28/02/2018 To 04/03/2018*

#### Week 11

Day 1, Monday, 05/03/2018

Introduction To Insect Pests of Stored Grains

Day 2, Tuesday, 06/03/2018

Pulse Beetle (Callosobruchus maculatus)

Day 3, Wednesday, 07/03/2018

Rice Weevil (Sitophilus oryzae)

#### Week 12

Day 1, Monday, 12/03/2018

Wheat weevil (Trogoderma granarium)

*Jan Bhand*

Week 12

Day 2, Tuesday, 13/03/2018

Rust Red Flour Beetle (Tribolium castaneum)

Day 3, Wednesday, 14/03/2018

Lesser Grain Borer (Rhyzopertha dominica)

Week 13

Day 1, Monday, 19/03/2018

Grain and Flour Moth (~~Setop~~ Sitotroga cerealella)

Day 2, Tuesday, 20/03/2018

Insect Control : Introduction

Day 3, Wednesday, 21/03/2018

Insect Control : Biological Control, Its History

Week 14

Day 1, Monday, 26/03/2018

Insect Control : Requirements and Precautions

Day 2, Tuesday, 27/03/2018

Feasibility of Biological Agents for control

Day 3, Wednesday, 28/03/2018

April 2018

Chemical Control : Introduction

Week 15

Day 1, Monday, 02/04/2018

Chemical Control : Categories of Pesticides

Day 2, Tuesday, 03/04/2018

Important Pesticides

Day 3, Wednesday 04/04/2018

Uses of Pesticides

Frank B. B. B.

Week 16

Day 1, Monday, 09/04/2018  
 Insect Repellants  
 Day 2, Tuesday, 10/04/2018  
 Insect Attractants  
 Day 3, Wednesday, 11/04/2018  
 Integrated Pest Management - Part I

Week 17

Day 1, Monday, 16/04/2018  
 Integrated Pest Management - Part II  
 Day 2, Tuesday, 17/04/2018  
 Integrated Pest Management - Part III  
 Day 3, Wednesday, 18/04/2018

Holiday  
 Karashurama  
 Jayanti

Week 18

Day 1, Monday 23/04/2018  
 Important Rodent Pests of Agriculture  
 Day 2, Tuesday 24/04/2018  
 Important Bird pests of Agriculture  
 Day 3, Wednesday 25/04/2018  
 Management of Bird and Rodent Pests.

Jnan Bhushan